

MAC-B carbon saves lives in hospital

If you or your employees are working in a contaminated environment you should be protected. Chemicals gases and odors have replaced viruses and bacteria as the main threat to human health in western industrialized nations.

Most Air Purification systems on the market today are available with a HEPA filter and a few token ounces of carbon sprayed on a mesh. The HEPA filter can/will provide you with 99.97% of particulate protection, however HEPA does not work on noxious gases, chemicals or odors. Granulated activated MAC-B has the strongest adsorbent power of any material known to man. There are over 40 specialty blends of carbon available for specific chemical and odor problems. Carbon can adsorb over 4000 chemicals gases and odors. In addition, to protect yourself against pathogens and airborne bacteria, An UltraViolet or Germicidal lamp will help sterilize the air that passes through the purifier.

There are different solutions for different problems. (Unfortunately many industries purchase the wrong solutions and therefore do not benefit from the proper environment.) AllerAir's Air consultants are always available to assist you in choosing the right filtration. They can design a solution specifically for you.

I.e. In the printed circuit board (PCB) assembly industry, gases and chemical fumes are produced in two ways: (1) During manual operation of the workbench and (2) during reflow, wave soldering or other processing equipment operations

Fumes created by operators on workbenches are numerous and include solder iron fumes, vapors from cleaning solvents, conformal coatings and tinning in solder pots. These fumes need to be captured first with exhaust arms or fume cabinets and then either vented outside or filtered and re-circulated.

As of July 1, 2002 all companies in the U.S. processing more than 100 lbs. of toxic material must file a report with the U.S Environmental Protection Agency (EPA) to identify how much toxic material a facility is emitting to the environment. (An explanation of the toxic release inventory (TRI) Lead Rule and the reporting process can be found on the EPA's web site at www.epa.gov/tri/lawandregs/tripbrule.htm) by simply entering a zip code on an EPA-sponsored web page, citizens can access a list of pollution sources.

All companies must legally report emitting toxic materials. However, in the process of emitting toxic materials, you create a potential for future liabilities. Implementing an Air purification / Fume filtration plan that will reduce or eliminate the release of toxic chemicals rather than a discharge and replacement system, may be a prudent way to reduce potential liability and demonstrate an environmentally friendly policy

More and more cases have also emerged where company's lines of credit have been reduced once their banker's discover this type of litigation.

This can create a potential domino effect where shareholders can quickly motivate company directors to make management changes. Also to keep in mind when trying to limit a company's liabilities and avoid possible litigation, judges have taken a very dim view of workers being unprotected. Also companies have experienced many eye openers due to their "Pollution / Environmental" clause in their insurance policies.

With all this in mind doesn't it make the most sense to partner with a manufacturer that has over 100 different models and solutions available to address your particular needs.

Other benefits of Air Purification and Filtration include:

- Flexibility when rearranging a production floor layout, which can be accomplished in hours as no relocation of ducting is required.
- No landlord permits required for duct penetrations in rented facilities and no after-costs after the lease end for reestablishing original conditions.
- Quick set-up of equipment in small labs or prototype lines.
- No fire hazards inside facility ductwork.
- A more consistent airflow as balancing of a central exhaust system is not required.

Conclusion

Implementing an Air Purification system into a manufacturing facility can both pay off financially and protect the environment. The time is now to move away from a narrow-minded approach to pollution control and embrace an evaluation of the available technologies and their benefits. Management should be concentrated with Air Purification, not only the environment but also because it will contribute to a company's bottom line by reducing total ventilation costs as well as increasing productivity among workers, by improving their environment.

With an Air purification system in place, manufacturers will have nothing to fear when compiling their toxic release inventory report. Toxic pollution will be reduced to a minimum as the pollutants are trapped in filter. At the same time, energy savings and greater flexibility may be achieved. Simply put, environmentally friendly policies can be implemented with an eye on the bottom line.

We at AllerAir are dedicated to bringing you healthy indoor air.

Call AllerAir for your free consultation today !

allerair
AllerAir Industries

Air purifiers for Fume Extractors, Welders, MIG, TIG, and Soldering

A complete range of air purification equipment to deal with airborne fumes, sparks, chemicals, gases and odors.

A wide range of solutions

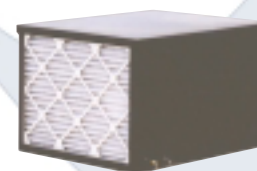
- AllerAir chemical remediation units range from the compact 4000 Series to the cabinet I-6500 models.



- HEPA filters for capturing fumes and particles.

- Sparks Arrestors.

- Over 40 blends of carbons are available to deal with up to 4000 different chemicals.



◀ **9400 Series**
HEPA
15 lbs. carbon
Ceiling mounted
\$ 999.98

▲ Model AR 2000 Dual Capacity

2 speed - **\$ 1299.98** or
Variable speed - **\$ 1499.98**
1000 CFM. HEPA filter (24" x 24" x 11.5"). 7 lbs of carbon
options: 100 lbs of carbon, UV Germicidal lamp



▲ Model 5000 W Vocarb

HEPA. FLEX, hose
and 18 lbs. carbon



Model 9150 W

HEPA
Spark Arrestor
40 lbs. carbon
\$ 1699.98

▲ Model 9500 Restorator Flange for negative air

HEPA. 15 lbs. carbon
Floor model
from \$ 999.98



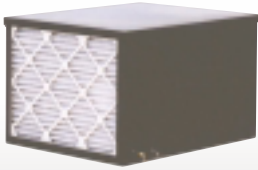
USA * CANADA * ITALY

*All prices in US \$



A choice of models to suit your needs.

allerair Industries offers a wide range of air purifiers, each with a full range of options.



9400 Series
HEPA \$ 999.98
15 lbs. carbon
Ceiling mounted
Option: 30 lbs Carbon - \$ 1199.98

9400 Series

Cleans & recirculates contaminated indoor air. Saves energy instead of exhausting heated air.

- 2" mini pleat medical grade HEPA filter.
- HEPA warm rolled to prevent cracking at the folds.
- Laser tested to ensure integrity.
- Traps 99.97% of particles as small as 0.3 microns.
- Motor installed before filters to minimize effects of any off-gassing or particles from motor.

9500 Series

Clean room quality

- 4" Medical grade HEPA.
- DOP tested.
- Traps 99.97% of particles as small as 0.3 microns and smaller.
- Easy to change (30 sec.) pull out 2" pre-filter.
- Unique adjustable pressure seal maximizes filtration efficiency.
- Motor installed before filters to minimize effects of any off-gassing or particles from motor.
- Variable speed.



Model 9500 Restorator
HEPA, 15 lbs. carbon
Floor model
\$ 999.98

Option:

- 10 or 20 watt UV lamp.
- Motor 560 CFM (model 9550) or 735 CFM (model 9575)
- Industrial ball bearing wheels.
- Negative air flanges.
- 2 Carry handles.
- Powder coated baked finish.
- 30 lbs. of carbon available. (without HEPA)
- Double HEPA (4" deep) (without carbon)

5000 W Vocarb

Cleans & recirculates contaminated indoor air. Saves energy instead of exhausting heated air.

- 2" mini pleat medical grade HEPA filter.
- HEPA warm rolled to prevent cracking at the folds.
- Laser tested to ensure integrity.
- Traps 99.97% of particles as small as 0.3 microns.
- Motor installed before filters to minimize effects of any off-gassing or particles from motor.



Model 5000 W Vocarb
HEPA, 18 lbs. carbon
\$ 499.98

Options:
28 lbs of carbon
\$ 899.98
Flex hose
UV Germicidal lamp



Model 9150 W

For stationery applications where it is important to capture and retain airborne chemicals, vapors, odors and smoke from welding or soldering work surface area.

Filtration

- Spark arrestor to capture welding sparks.
- Pre-filter to capture large particles of dust.
- 99% Particulate, 2" Filter, to capture respirable size particles, as well as 0.5 microns from welding smoke and dust.
- Large main carbon filters that holds 40 lbs. of special carbon for adsorbing welding or soldering fumes.

Flexibility

- By utilizing 2 standard 4" x 8' hoses, or 1 standard 5" x 8' hose depending on your needs, the unit can be located close to the work area in the best position to capture the welding fumes.
- Air volume draw calculated to capture the welding fumes without affecting the gas shield.
- Simply plug into 115 V. / 60 Hz / 1 ph and your welding or soldering fume collector will give relief to the operator.



Model 9150 W
\$ 1699.98
HEPA,
Spark Arrestor
40 lbs. carbon
560 CFM

Options:

- One specialized 5 x 8 welding hose or two specialized 4 x 8 welding hoses.
- 735 CFM

Model AR 2000 Dual Capacity

High power for particle or gas removal.

- HEPA filter, medical grade, pressure sealed, 24" x 24" x 11.5".
- Quick change (1/2 min.) dust-filter, 24" x 24" x 1".
- Quick change (1/2 min.) pre-filter, 24" x 24" x 1".
- 4 handles and 4 industrial wheels (2 swivel, 2 straight) Easy to carry.
- 12" Hose attachment flange.
- 18 gauge, galvanized steel body for durability.
- DOP tested.
- 7 lbs carbon filter.
- UP to 1000 CDM

AR 2000 2 speed - \$ 1299.98
and / or
AR 2000 Variable speed - \$ 1499.98



Options:

- 100 lbs of chemicals, gas and odor adsorbent.
- 2000 CFM and high capacity filters.
- UV germicidal lamp, 10, 20 or 40 watts.
- Collapsible Mylar hose and hose clamps.
- Choice of 18" x 24" x 12" large filter.
- Upright model available.

Consult our air quality experts.

allerair Air quality experts will be happy to discuss solutions to any air contamination problems.

Toll Free:
1 888 852 8247